

BUZI, T., dr.; TITEICA, Maria, dr.

Anemia treated with pyridoxine. (Presentation of a case). Med.
intern. 15 no.6:755-756 Je '63.

1. Lucrare efectuata in Clinica medicala, Spitalul "Dr. I.
Cantacuzino", Bucuresti (director: prof. I. Bruckner).
(ANEMIA) (PYRIDOXINE) (STOMACH ULCER)
(ACHLORHYDRIA)

BUZI, T., dr.

Autoimmunity. Med. intern. (Bucur) 17 no.6:659-668 Je'65.

1. Lucrare efectuata in Clinica medicala, Spitalul "Dr. I. Cantacuzino" (director: prof. I. Bruckner).

RUMANIA

616.931-078.734.

BUZI, T., Dr, and TITEICA, Maria, Dr. Work performed at the "Dr. I. Cantacuzino" Hospital (Spitalul "Dr. I. Cantacuzino"), Bucharest.

"Titration of Antidiphtheria Antibodies by Passive Hemagglutination (Boyden Procedure). Note I. Factors Influencing the Reaction."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 6, Nov-Dec 66, pp 569-572.

Abstract: The authors discuss a number of factors which may affect the antidiphtheria antibody titer obtained by the Boyden method. The discussion involves the preparation and quality of the tannic acid and the erythrocyte suspension, the antigen used, the determination of the endpoint of the reaction, and the influence of dilution and pipetting errors.

Includes 3 tables and 5 English-language references and one German reference. -- Manuscript submitted 20 April 1966.

RUMANIA

616.931-078.734

BUZI, T., Dr, and TITEICA, Maria, Dr. Work performed at the "Dr I. Cantacuzino" Hospital (Spitalul "Dr. I. Cantacuzino"), Bucharest.

"Titration of Antidiphtheria Antibodies by Passive Hemagglutination (Boyden Procedure). Note II. Comparison of the Titers Obtained by the Boyden and the Biological Methods."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 6, Nov-Dec 66, pp 572-573.

Abstract: The authors carried out parallel determinations of the titer of antidiphtheria antibodies by the Boyden and the biological (Ehrlich-Ramon and Jensen) methods. The results show that the Boyden method of passive hemagglutination, under proper working conditions, is a sensitive and accurate method which, because of its simplicity, is recommended for use in Rumanian laboratories.

Includes one table and 4 references, of which one German and 3 English-language. -- Manuscript submitted 20 May 1966.

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(Eastern Sayan Mountains). Trudy Lab.geol. dokem. no.9:374-385
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(MIRA 13:11)

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TN295.B85

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2. USSR (600)
4. Mine Timbering - Moscow Basin
7. Problem of controlling loose roofs in the Moscow Coal Basin. Ugol', 28, No. 5, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

S/182/60/000/007/007/016
A162/A029

AUTHOR: Buzikov, Yu.M.

TITLE: Hydraulic Shock Absorber for Crank-Type Extrusion Presses ¹⁴

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, ²~~№~~[№] 7 pp. 27 - 31

TEXT: The author has designed a hydraulic shock absorber based on a new principle, for which he has obtained an Author's Certificate (No. 15607). It reduces the slide block speed to near zero at the moment when the top die contacts the blank to be extruded to start the extrusion process under conditions near those under statical load and at the same time to prevent overloading. In a 250-ton extrusion slide block press with the hydraulic shock absorber the walls of the cylinder work portion are provided with slits which have a varying cross section area and the work fluid flows through the slits into an annular duct communicating with a container. The operation is fully described. It was stated in the tests on this 250-ton press that the shock absorber has worked well. The extrusion started smoothly without any perceptible impact; the protective phosphate coating on the blanks remained intact; the work surface quality improved; the life of extrusion dies increased. The oscillograms (Fig. 4) were prepared

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S/182/60/000/007/007/016
A162/A029

Hydraulic Shock Absorber for Crank-Type Extrusion Presses

for comparison in operation of a usual extrusion crank press (a) and of one fitted with the shock absorber (b). It is concluded that the work speed and productivity of existing extrusion presses can be considerably increased when they are fitted with such a shock absorber and that it should be used in new presses under development. There are 4 figures. ✓

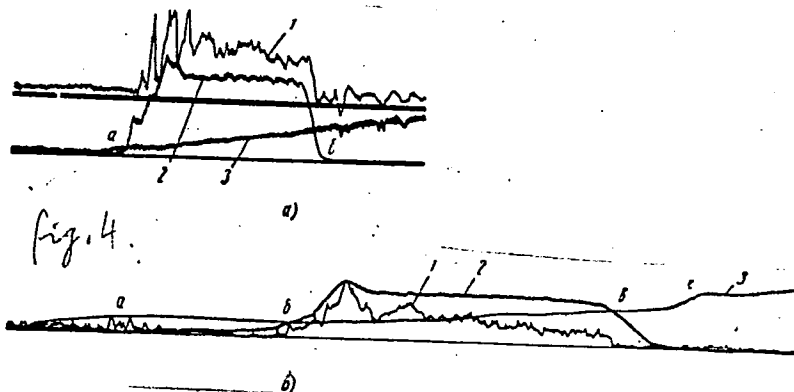
Card 2/3

S/182/60/000/007/007/016
A162/A029

Hydraulic Shock Absorber for Crank-Type Extrusion Presses

Figure 4:

Oscillograms of the Extrusion Process on a Crank Press a-without hydraulic shock absorber; b-with hydraulic shock absorber; 1-tensions in the press stand; 2-diagram of the extrusion force; 3-shift of the slide.



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BUZIKOV, YU M.

PHASE I BOOK EXPLOITATION

SOV/5658

Ivanov, Aleksandr Petrovich, Candidate of Technical Sciences, and
Viktor Dmitriyevich Lisitsyn, Candidate of Technical Sciences,
eds.

Modernizatsiya kuznechno-shtampovogo oborudovaniya (Moderni-
zation of Die-Forging Equipment) Moscow, Mashgiz, 1961. 226 p.
Errata slip inserted. 10,000 copies printed.

Reviewer: V. Ye. Nedorezov, Candidate of Technical Sciences; Ed.
of Publishing House: T. L. Leykina; Tech. Ed.: A. A. Bardina;
Managing Ed. for Literature on Machine-Building Technology
(Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for foremen, machinists, designers,
and process engineers concerned with the modernization and de-
signing of die-forging equipment. It may also be used by students
at schools of higher education.

COVERAGE: The book contains material presented at the Conference

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Modernization of Die-Forging Equipment

SOV/5658

27

on Problems in the Modernization and Operation of Die-Forging Equipment, held in November 1958 in Leningrad. The Conference was called by Leningradskiy Sovet narodnogo khozyaystva, Sektsiya obrabotki metallov davleniyem Leningradskogo oblastnogo pravleniya NTO Mashprom (Leningrad Council of the National Economy, Section of Metal Pressworking at the Leningrad Oblast Board of the Scientific and Technical Society of the Machine Industry) and Leningradskiy mekhanicheskiy institut (Leningrad Mechanical Engineering Institute). Actual problems in the modernization, operation, and repair of die-forging equipment are described. Analyses are provided for problems involved in the mechanization and automation of die-forging and stamping operations. Also included are practical data to be used in the modernization of equipment. No personalities are mentioned. There are 59 references: 56 Soviet, 2 German, and 1 English.

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Modernization of Die-Forging Equipment

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3. Methods and means for the experimental investigation of die-forging equipment (V. I. Zaytsev and M. P. Pavlov, Candidates of Technical Sciences)

203

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223

AVAILABLE: Library of Congress

Card 8/8

VK/wrc/ec
11-7-61

ACC NR: AP6017953

(A)

SOURCE CODE: UR/0413/66/000/010/0016/0016

AUTHOR: Buzikov, Yu. M.; Medvedev, G. V.

ORG: None

TITLE: A device for transverse ball rolling of thin-walled pipes. Class 7, No. 181595

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 16

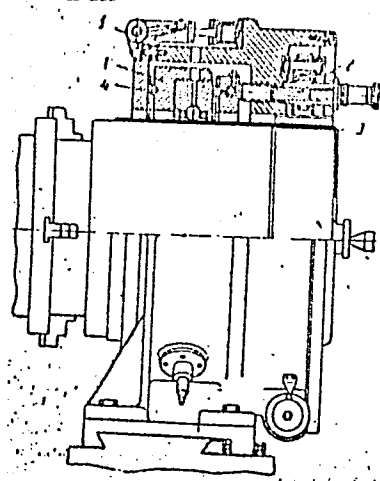
TOPIC TAGS: pipe, metal rolling, rolling mill

ABSTRACT: This Author's Certificate introduces a device for transverse ball rolling of thin-walled pipes. The unit contains a ball race with adjustment mechanism. Pipes with rigid tolerances in geometric dimensions are produced by using a ball race which has a floating suspension in the transverse direction to the axis of the pipe in ball guides. In addition, the unit has a mechanism for automatically opening the race at the end of the rolling process and setting it to the previous pipe size before rolling.

Card 1/2

UDC; 621.774.77.002.54

ACC NR: AP6017953



1--ball race; 2--race adjustment mechanism; 3--pipe;
4--ball guides; 5--mechanism for opening the race

SUB CODE: 13/ SUBM DATE: 07Dec63

Card 2/2

ACC NR: AP7000314

SOURCE CODE: UR/0413/66/000/022/0031/0031

AUTHOR: Buzikov, Yu. M.; Mozhayev, A. N.; Morozov, N. V.; Sirakov, L. S.; Khaldin, V. V.; Yakovlev, A. V.

ORG: None

TITLE: An installation for making a bellows from tubular stock. Class 7, No. 188473

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 31

TOPIC TAGS: material deformation, pipe, bellows, hydraulic equipment, machine tool

ABSTRACT: This Author's Certificate introduces: 1. An installation for making a bellows from tubular stock by successive hydraulic formation of each corrugation. The unit contains a mandrel for the tubular blank with channels for fluid supply, a movable corrugation tool, a mechanism for moving the tube through the required spacing for the corrugations with a hydraulic drive and sealing rings. The unit is designed for increased production accuracy and for making bellows with various pitches and outside diameters without changing the mandrel. The installation is equipped with a pipe gripping device and the hydraulic cylinder is located inside the mandrel. There is a nut on the piston rod for regulating rod travel in the preliminary operation of setting up the material for shaping the bellows. The mechanism for moving the tube through the required corrugation pitch is connected to this nut.

Card 1/3

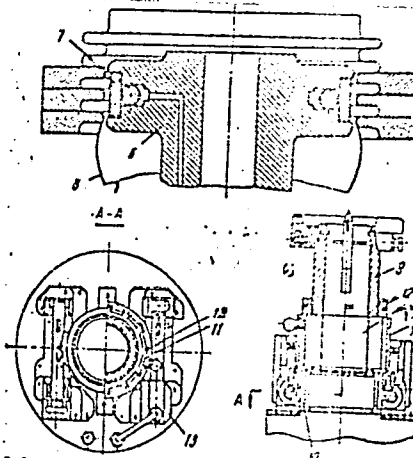
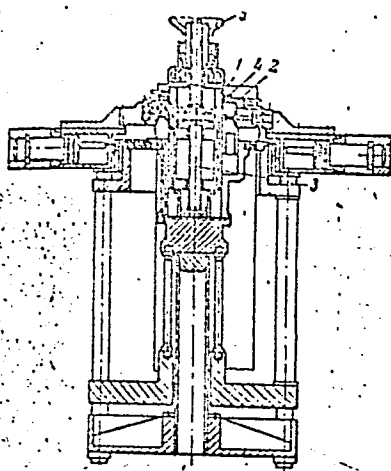
UDC; 621.774.3.06,408,8

ACC NR: AP7000314

2. A modification of this installation in which the tube clamping mechanism is made in the form of a stationary clamping disc connected to the hydraulic cylinder. This disc has grooves for sealing rings which clamp the tube section along the corrugations. The clamping device also includes a disc with a groove for a ring which compresses the uncorrugated section of the tube located on a sleeve moved by the piston in the hydraulic cylinder along its outer surface. 3. A modification of this installation in which the mechanism for moving the tube through the required pitch for the corrugations is made in the form of a fluted and threaded socket coupled with a fluted and threaded sleeve mounted on the piston rod to set its initial position when the tube is being moved. Two axially rotating cylinders are mounted on the cover of the hydraulic cylinder which moves the tube.

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ACC NR: AP7000314



1--hydraulic cylinder; 2--mandrel; 3--rod;
4--piston; 5--nut; 6--stationary clamping
disc; 7--sealing rings; 8--tube to be de-
formed; 9--piston rod; 10--nut; 11--fluted
socket; 12--fluted sleeve; 13--hydraulic
cylinders

SUB CODE: 13/ SUBM DATE: 01Oct64

Card 3/3

RUMANIA

576.852.211:615.84

AUSLANDER, D., POP, E., BUZILA, A., VERESS, E., and ARDEVAN, A.
Work performed at the Three-Year Pedagogical Institute (Institutul
Pedagogic de 3 Ani) and the "Babes-Bolyai" University (Universi-
tatea "Babes-Bolyai"), Cluj.

"The Action of Ultrasound on Koch bacillus."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11,
No 6, Nov-Dec 66, pp 549-557.

Abstract [Authors' English summary modified]: The authors studied
the effects of sound fields with a total power of 150 to 250 watts
at constant temperature on cultures of Koch bacilli dispersed in
normal saline from a solid Loewenstein-Jensen medium. The disse-
mination of the bacilli in the dispersion media was also studied,
as were their frequency, the proportion of live bacilli to the
initial amount, cultivation characteristics in solid and liquid
media, development of the germs under the activity of ultrasound
waves and in the presence of antibiotics. Among the conclusions
were that ultrasound brings about a numerical reduction of the
bacilli but does not change their basic characteristics.

Includes 8 figures, 4 tables and 8 references, of which
4 German and 4 French. -- Manuscript submitted 29 September 1965.

MACOVSKI, Eugen, acad.; ZAHARIA, O.; BUZILA, L.

Assimilation of ammonium nitrate introduced into tomato plants by the capillary method. Rev chimie 5 no.1:49-56 '60. (EEAI 10:2)

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(Tomato) (Ammonium nitrate)

GHEITIE, Victor; BUZILA, Lucia

Blocking of the browning reaction for the study of proteins extracted from the juice of leaf cells. Rev chimie 6 no.1:143-152 '61.

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✱

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bean (*Vicia faba*). Studii cerc biochimie 5 no.4:541-550
'62.

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GHEȚIE, Victor; BUȚILA, Lucia

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1. Institutul de biochimie al Academiei R.P.R., Bucuresti.

X

GHEITIE, Victor; BUZILA, Lucia

Obtaining the plasmatic juice from seeds. Studii cerc biochimie
6 no.2:235-243 '63.

1. Institutul de biochimie al Academiei R.P.R., Bucuresti.

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GHETIE, Victor; BUZILA, Lucia

Cryoprecipitation in the plasmatic juice of some seeds.
Studii cerc biochimie 7 no.1:47-55 '64.

1. Institute of Biochemistry of the Rumanian Academy,
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45166

S/188/63/000/001/014/014
B184/B102

94350

AUTHORS: Buzin, I. M., Ivanov, I. V.

TITLE: Frequency division using tunnel diodes

PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika,
astronomiya, no. 1, 1963, 92 - 93

TEXT: Second kind resonance was achieved in an oscillatory circuit using a germanium tunnel diode whose end-point frequency had the order of magnitude 10 Mc/sec. In the decreasing section of the diode characteristic the operating point of the diode was close to the current minimum. The region wherein resonance is detuned and a stable frequency division was observed broadens with increasing amplitude, reaches a maximum and then decreases. The frequency division shows a coupling-hysteresis effect. There are 2 figures. ✓

ASSOCIATION: Kafedra teorii kolebaniy (Department of Oscillation Theory)

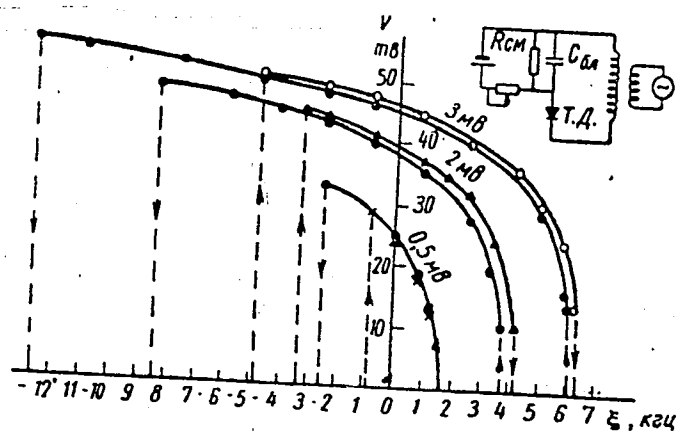
SUBMITTED: July 3, 1962

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Frequency division using tunnel diodes

Fig. 1

S/188/63/000/001/014/014
B184/B102



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USSR / Human and Animal Morphology (Normal and S-2
Pathological). The Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45552.

Author : Buzin, K. M.

Inst : Not given.

Title : Changes of Nerve Endings in Ulcerated Stomachs.

Orig Pub: Klinika i lechenie zabolevany zheludka. Ordzhonikidze, 1956, 119-126.

Abstract: Specimens from 14 patients were studied histologically. Pieces were taken from the region of the ulcer along the lesser and greater curvature of the stomach. For checking purposes, three stomachs of dogs and one stomach of a man, who died from insultus, were investigated. In all cases of ulcerous lesions, deep-seated changes of the intramural apparatus of the stomach were observed. In the

Card 1/2

USSR / Human and Animal Morphology (Normal and Pathological). The Peripheral Nervous System. S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45552.

Abstract: composition of nerve fascicles there appears a great number of fibers (F) with degenerated changes: intensely colored swellings and thickenings in the shape of drumsticks. In very advanced cases, the basic mass of F disintegrates into short fragments, or the fascicles are transformed into formless and structureless formations. In vascular receptors of a special type (clusters, nodules), pathological changes also are clearly expressed. Changes in the nerve cells of the ganglia of the muscular and submucous layer often are observed. The cells are deformed, wrinkled and densely impregnated; the cytoplasm is vacuolized. The branches are thickened and have bulbous or spindle-shaped swellings. So-called cells of irritation often are encountered. -- T. N. Ulianova

Card 2/2

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BUZIN, K.M., kandidat meditsinskikh nauk
~~meditsinskikh nauk~~

Thoracoplasty in the treatment of pulmonary tuberculosis and
postoperative complications. Probl.tub. 34 no.3:47-49 My-Je '56.

(MLRA 9:11)

1. Iz khirurgicheskogo otdeleniya Severo-Osetinskogo tuberkuleznogo
dispansera

(COLLAPSE THERAPY

thoracoplasty, postop. compl.)

(POSTOPERATIVE CARE, in various dis.

tuberc., pulm., compl. of thoracoplasty)

BUZIN, K.M.

Operative treatment of thrombophlebitis of the lower extremities.
Khirurgiia 35 no.9:122-124 '59. (MIRA 13:12)
(VEINS—SURGERY) (LEG—BLOOD SUPPLY)

BUZIN, L.V.

YUR'YEV, P.S.; BUZIN, L.V.

A shield for X-ray examination of infants and children. Sov. med.
18 no.8:34-35 Ag '54 (MLRA 7:8)

1. Iz Turukhanskoy rayonnoy bol'nitsy Krasnoyarskogo kraya (glavnyy
vrach P.G.Krotov)

(ROENTGENOGRAPHY

appar. for x-ray exam. of inf. & child.)

(APPARATUS AND INSTRUMENTS

shield for x-ray exam. of inf. & child.)

BUZIN, M., shofer.

Utilize reserves by improving the operations of motorbuses.
Avt.transp.34 no.3:21-23 Mr '56. (MIRA 9:7)

1. 1-y avtobusnyy park Moskv.
(Motorbuses)

BUZIN, Mikhail Vladimirovich, shofer; SHILOVTSEVA, L.M., red.; MAL'KOVA, N.V.,
tekh. red.

[Seven hundred thousand kilometers on the ZIS-155 motorbus] 700
tysiach kilometrov na avtobuse ZIS-155. Moskva, Nauchno-tekh.
izd-vo avtotransp. lit-ry, 1955. 27 p. (MIRA II:7)

1. 1-yy avtobusnyy park Moskvyy (for Buzin).
(Motorbuses)

BUZIN, N. P.

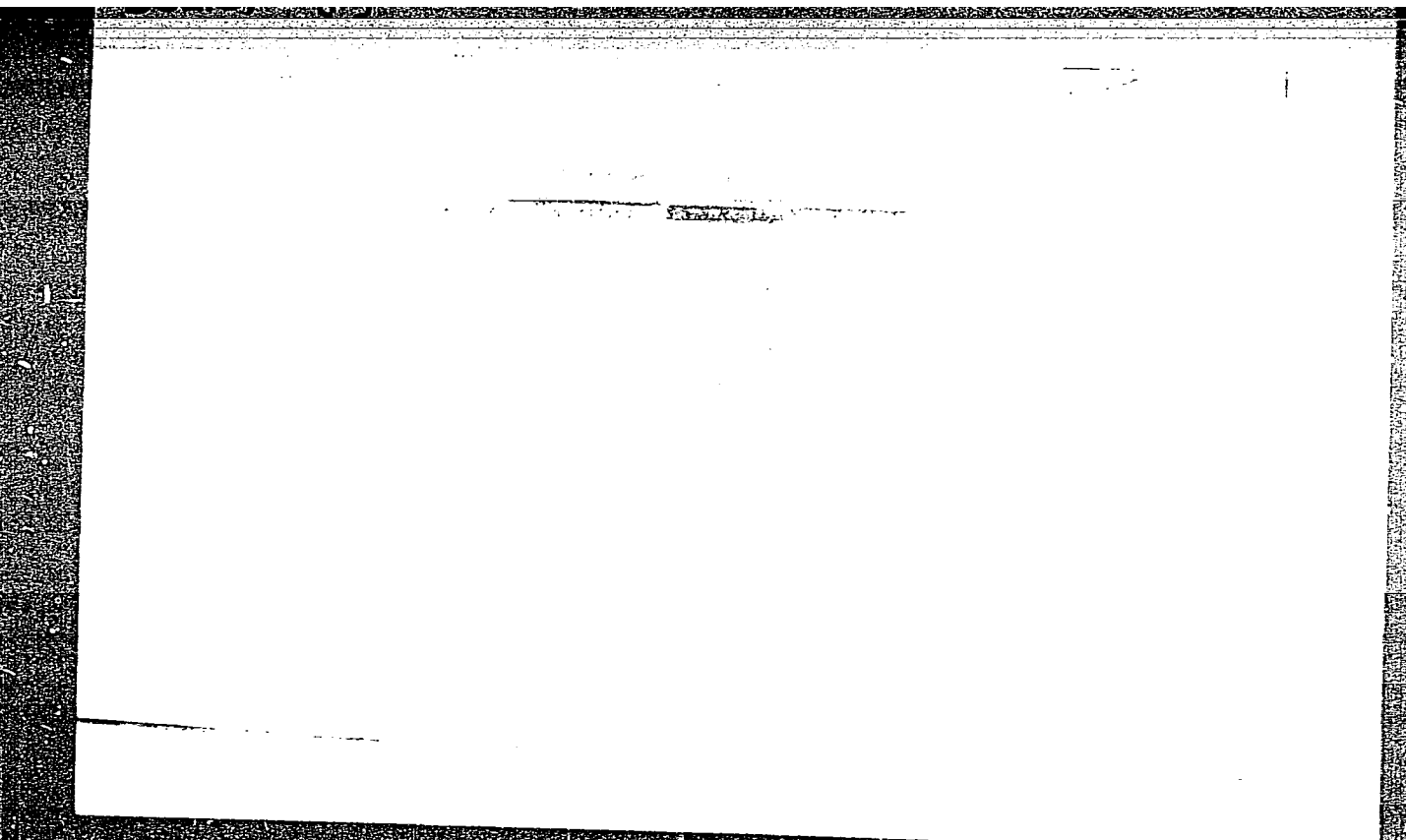
Cand. Agric. Sci.

"Pre-Planting Preparation of Grape Vine Cuttings," Agrobiol., No.3, 1949.

All-Union Sci. Res. Inst. Grape Culture and Wine Production, Yalta.

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BUZIN, N.P.,redaktor

[Viticulture in Uzbekistan] Vinogradarstvo Uzbekistana. Tashkent,
Gos. izd-vo Uzbekskoi SSR, 1956. 510 p. (MLRA 10:5)
(Uzbekistan--Viticulture)

UZIN, P.A.

U.S.S.R. / Human and Animal Physiology. Action of
Physical Agents. Ionizing Irradiation.

T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22787

Author : Kislov, P.N. Sivertseva, V.H. Buzin, P.A.
Inst : Not given.
Title : Autoinfection in Radiation Sickness and Its
Therapy.

Orig Pub: Tr. 1-i Zakowkazok. Konferentsii po Med.radiol.
Tbilisi, Gruzmedgiz, 1956, 67-74.

Abstract: Bacteremia following in irradiated (300'r) animals within 16-17 days- the maximum around the 10th day. The autoinfection is caused in 85% of mice and guinea pigs by the microflora of the intestinal tract (primarily Bact. Coli and Bact. Paracol.) Treatment of irradiated mice with 5000 units of penicillin lowered the mortality

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VOZIYANOV, A.F.; BUZIN, V.A.; MEL'NIKOV, V.F.; SUSLIN, Yu.V.;
GEORGIYEVSKIY, V.S.

Ventilation of shielded working faces in steep seams of the
Donets Basin. Trudy Inst.gor.dela AN URSR no.11:53-65 '62.
(MIRA 16:2)
(Mine ventilation)

BUZIN, V.A.; SUSLIK, Yu.V.; AFANAS'YEV, V.P.

Ventilation of mine shaft bottoms. Sbor. trud. Inst. gor. dela
AN URSR no.13890-96 '63 (MIRA 17:7)

BUZIN, Ye.I.

Equations of equilibrium for a flexible, nontensile surface.

Trudy SAGU 17:109-116 '50.

(MLRA 9:5)

(Elastic plates and shells)

BUZIN, E. I.

Mathematical Reviews
Vol. 15 No. 4
Apr. 1954
Mechanics

Buzin, E. I. On equilibrium of a flexible extensible surface of positive Gaussian curvature. Akad. Nauk Uzbek. SSR. Trudy Inst. Mat. Meh. 9, 124-136 (1952). (Russian)

Starting from the stress equilibrium equations, in terms of Gaussian coordinates, for a flexible inextensible material, the author goes over to isotropic slightly extensible material by a small variation in which the external forces are kept unchanged. This with the aid of Hooke's law leads to a system of equations for the stresses. The scope is that of the linear theory. L. M. Milne-Thomson (Greenwich).

HUZIN, Ye.I.

Strains in a flat plate according to the momentless theory. Trudy
Inst.mat. 1 mekh. AN Uz. SSR no.10:26-38 part 2 '53. (MIRA 8:4)
(Elastic plates and shells) (Strains and stresses)

During

equations of "quadrature" -
The necessary forms of

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DOZIN. 18. 1.

"A Class of Flexible Bisectonal Surfaces of Revolution and the Stresses in Them"

Izv. AN Uzb. SSR, No 6, 1953, pp 63-74

The author considers the problem of an axisymmetric momentless shell of revolution. The assumption is made that the shell is subjected to a surface load and to meridional forces on two regions along the parallel. The freedom of distortion of the shell is not restricted. The author's purpose is to find surfaces for which equivalence is possible under the given conditions. (RZhMat, No 2, 1953)

SO: Sum 492, 12 May 55

BUZIN, Yu. S.

Ship corrosion and losses inflicted on vessels of the merchant
marine. Trudy kon. po bor'. s korr.met. no.1:20-35 '51.
(MLRA 10:8)

1. Glavnyy inzhener Morskogo registra SSSR.
(Hulls (Naval architecture)--Corrosion)
(Ships--Maintenance and repair)

TULEGANOV, Z.; BUZINA, A.Z.

Conference on nonspecific prevention of infections and on methods
for increasing the resistance of the body during treatment. Zdrav.
Kazakh. 21 no.10:75-76 '61. (MIRA 15:2)
(COMMUNICABLE DISEASES__PREVENTION) (IMMUNITY)

BUZINA, A.Z.; SHILENKOVA, A.K.; DOROFYEVA, O.N.

Some data on physiological norms for blood sugar and chlorides
in experimental animals. Lab.delo 8 no.5:58-59 My '62.

(MIRA 15:12)

1. Toksikologicheskaya laboratoriya (zav. A.Z.Buzina)
Kazakhskogo nauchno-issledovatel'skogo instituta gigiyeny truda
i professional'nykh zabolevaniy, Karaganda.

(BLOOD SUGAR) (CHLORIDES IN THE BODY)

БУЗИНА, Г. В.

РАПОПОРТ, С.А.; ИСТОМИНА, М.М., научный сотрудник; РОКХЛОВ, Б.Г.,
научный сотрудник; БУЗИНА, Г.В., научный сотрудник.

Continuous process of producing sugar paste for confectioneries.
Trudy VNIIT no.9:120-133 '54. (MLRA 7:8)
(Confectionery) (Pastry)

BUZINA, G.V.

Studying the production processes of edible jellying pectin made
from apple residue. Trudy VKNII no.16:93-97 '62. (MIRA 16:5)
(Pectin)

ACCESSION NR: AP4038943

8/0241/64/000/005/0050/0058

AUTHOR: Kiselev, P. N.; Buzini, P. A.

TITLE: Remote immunologic sequelae of the effect of ionizing radiation

SOURCE: Meditsinskaya radiologiya, no. 5, 1964, 50-58

TOPIC TAGS: immunologic sequelae, ionizing radiation, immunogenesis, immunity retention, Salmonella enteridis Gartneri, Salmonella breslau, Pseudomonas aeruginosa, endotoxin sensitivity, bacteremia, phagocytosis, delayed postirradiation infection, mononuclear phagocyte, polynuclear phagocyte, infection resistance, antibody synthesis, vaccination

ABSTRACT: The duration of retention of natural immunity and immunogenesis acquired during acute radiation sickness was studied in guinea pigs and white mice which received 200 r (LD_{30/30} days) and 465-500 r (LD_{50/30}) respectively. Resistance to infection was tested 3-28 months after irradiation, in either spontaneously infected animals or by infection with Salmonella enteridis Gartneri, Salmonella breslau or Pseudomonas aeruginosa. Endotoxin sensitivity was investigated by introducing

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ACCESSION NR: AP4038943

the endotoxin in a LD_{50/3} days dose and the bacteremia determined by microbial count in blood and organs. The number of leucocytes in peripheral blood, phagocytic activity in peritoneal exudate, etc. served as immunologic indicators. Spontaneous infection of the mice with *Salmonella enteridis* Gartneri after 5½ months led to the death of 58% irradiated against 18% of non-irradiated animals. Experimental infection with 100 million bodies of the same agent in 380 mice, half of which had been irradiated 6 months earlier, led to death of 72% of the irradiated, 38% of the control mice. *Salmonella breslau* infection under the same conditions yielded the corresponding figures of 97 against 65%. Spontaneous infection of guinea pigs with *Pseudomonas aeruginosa* 19 months after irradiation led to death of 32 against 14%. Experimental infection with the same agent in a group of mixed age was performed 3, 6, 9, 12, 19 and 28 months after irradiation. Increased sensitivity to infection (compared to controls) decreased only after the 19th month, to return to normal after 28 months. A study of the reasons for such increased sensitivity comprised testing the bactericidal property of the blood against *Salmonella typhi* murium, the complement titer, phagocytic activity of leucocytes, bacteremia in mice with acute and chronic radiation sickness, as well as in controls 6 months after irradiation. Microbe lysing activity was found decreased

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ACCESSION NR: AP4038943

despite close to normal counts. Similar studies with *Pseudomonas aeruginosa* in guinea pigs 3-28 months after irradiation showed e.g. a decrease in mononuclear and increase in polynuclear phagocytes, their numbers returning to normal only after 28 months. Microbial count in guinea pig blood at various periods following irradiation confirmed the decreased phagocytic activity as late as 19 months after irradiation. Mouse sensitivity to *Salmonella typhi* abdominalis endotoxin was 2.6 times that of controls after 2½ months, 1.6 times after 5½ months. The development of antibodies to *Salmonella breslau* under these conditions was determined in guinea pigs vaccinated 3, 12 and 19 months after irradiation. No disturbance of immunogenesis was found; thus antibody synthesis is only disturbed during acute radiation sickness. Decreased anti-infective properties of the tissues however, although not irreversible, persist during half of the life span of guinea pigs and white mice. Orig. art. has: 5 tables and 6 figures.

ASSOCIATION: Allergologicheskaya laboratoriya Nauchno-issledovatel'skogo instituta ukha, gorla i nosa (Allergy Laboratory, Scientific Research Institute of Ear, Throat and Nose)

Card 3/4

ACCESSION NR: AP4038943

SUBMITTED: 02Jul63

ENCL: 00

SUB CODE: LS

NO REF SOV: 005

OTHER: 000

Card 4/4

IL'YASHUK, N.; BUZINA, Z., inzh.

The raincoat is waterproof again. Mest.prom.i khud.promys. 2
no.1:34 Ja '61. (MIRA 14:4)

1. Zaveduyushchiy laboratoriyey Nauchno-issledovatel'skogo tekhnico-
khimicheskogo instituta (for Il'yashuk).
(Waterproofing of fabrics)

BUZINA, O.D.

MD ✓ Noncellular nitrification. III. Kinetics of nitrite accumulation. A. A. Imshenetskiĭ, E. L. Ruban, and O. D. Buzina (Inst. Microbiol., Acad. Sci. U.S.S.R., Moscow). *Mikrobiologiya* 24, 636-44(1955); cf. C.A. 49, 12604k.—
Cell-free filtrates from *Nitrosomonas europaea* retain enough enzyme activity for copious oxidation of NH_4 to nitrite, reaching a peak reaction rate on the 1st or 2nd day and tapering off after the 5th day. Usually the peak nitrite content in the culture is reached in 19-27 days, followed by a decrease. Not all the evolved NH_4 appears as nitrite; the deficit is greater in acellular filtrates than in cell cultures. Total N content remains const. in both cases (no deficit at the end). Comparative tests with *Myxobacterium rubrum* showed copious NH_4 formation but only slight oxidation to nitrite.
Julian F. Smith

(3)

BUZINA, R.

"The nutritional state of the apprentices in the boarding school of a factory in Zagreb." p. 439. (ARHIV ZA HIGIJENU RADA, Vol. 3, no. 4, 1952, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

B. 12771, A.

FERBER, E., Dr.; MATOVINOVIC, J., doc., dr.; KOVACIC, N., dr.;
BUZINA, R., dr.

~~Hyperthyroidism in the village Rude near Zagreb. Higijena,~~
Beogr. 7 no.1-4:295-306 1955.

1. Centralni higijenski zavod, Zagreb: Interna klinika Medicinskog
fakulteta, Zagreb.

(GOITER, epidemiol.

endemic in Yugosl., statist. (Ser))

BUZINA, R., Dr.; HORVAT, A., Mr. ph.; MIKIC, F., Dr.; HORGAS, D.

Iodine and goiter; preliminary report. Higijena, Beogr. 7 no.1-4:
329-334 1955.

1. Centralni higijenski zavod, Zagreb; Biostatistički laboratorij
Savjeta za nar. zdravlje, Zagreb.

(GOITER, epidemiol.

endemic, eff. of iodine in water supply on incidence (Ser))

(IODINE,

in water supply, relation to incidence of endemic goiter (Ser))

(WATER SUPPLY

iodine content in relation to incidence of endemic goiter (Ser))

BUZINA, R.; HORVAT, A.; JURKOVIC, B.

Evaluation of nutritional status of women working in a factory, Arh.
hig. rada 7 no.4:327-337 1956.

1. Centralni higijenski zavod, Zagreb, i Higijenski zavod, Rijeka.
Adres: Central Institute of Hygiene of the P. R. Croatia, Zagreb.
(NUTRITION,
in female indust. workers in Yugosl. (Ser/))

TIEFENBACH, Branka, dr.; BUZINA, Ratko, dr.; VOUK, Velimir, dr.

Value of certain blood variables in blood-donors in Zagreb.
Lijec. vjes. 81 no.9-10:637-645 '59.

1. Iz Centralnog Higijenskog zavoda u Zagrebu i Instituta za
medicinska istrazivanja Jugoslavenske Akademije znanosti i
umjetnosti u Zagrebu.
(BLOOD DONORS)

YUGOSLAVIA

BUZINA, Dr R. /affiliation not given/.

"Nutrition and the Public Health Service."

Zagreb, Lijecknicki Vjesnik, Vol 85, No 4, April 1963, pp
439-441.

Abstract: The author discusses the difficulties faced by public health workers in dealing with the problem of malnutrition in view of the economic and social factors beyond the control of the health service. Direct action by the public health service can include study of the nature and magnitude of nutritional disturbances, provision for supplementary meals for mothers and children when possible, support for better nutrition within the framework of general health education, courses and seminars for active health workers, improvement in hospital dietetics, collaboration on school kitchens, etc. One Western reference.

1/1

BUZINA, R.

Nutrition and health services. Liječn. vješt. 85 no.4:439-441
'63.

(DEFICIENCY DISEASES)
(NUTRITION DISORDERS)
(NUTRITION SURVEYS)

S

POKIDOVA, N.V.; SMERTENKO, I.I.; BUZINA, T.P.

Testing the effect of purified preparations of basic polypeptides
derived from animal tissues on tumor cells. Antibiotiki 10 no.2:
137-141 F '65. (MIRA 18:5)

1. Laboratoriya novykh antibiotikov i biologicheskii aktivnykh
veshchestv kafedry mikrobiologii (zav. - deystvitel'nyy chlen
AMN SSSR prof. Z.V.Yermol'yeva) Tsentral'nogo instituta
usovershenstvovaniya vrachey, Moskva.